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AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Previously Presented) A method for controlling the operation of equipment, said operation of said equipment being adjustable via at least one parameter setting, comprising the steps of:

monitoring said operation of said equipment;

generating an operations analysis of said equipment;

determining whether said equipment is operating efficiently based on said operations analysis;

adjusting said at least one parameter setting until said equipment is operating efficiently; and

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checking said operations analysis and said adjustment of said at least one parameter, and overriding said adjustment and providing corrective parameter settings for said equipment when a control loop mechanism of said equipment is drifting.

12. (Original) The method of claim 11, wherein the step of monitoring said operation of said equipment includes the step of:

monitoring said operation of said equipment continuously.

13. (Original) The method of claim 11, further comprising the step of: remotely receiving said operations analysis.

14. (Original) The method of claim 11, wherein the step of determining whether said equipment is operating efficiently includes the step of:

determining whether said equipment is operating efficiently based on predetermined operation specifications for said equipment.

15. (Original) The method of claim 11, wherein the step of adjusting said at least one parameter setting includes the steps of:

adjusting said at least one parameter setting based on a predetermined set of operational parameters for said equipment.

16. (Original) The method of claim 15, further comprising the steps of:

maintaining a log of previous settings of said at least one parameter setting; and wherein the step of adjusting said at least one parameter setting includes the step of:

adjusting said at least one parameter setting based on said log of previous settings.

17. (Original) The method of claim 11, wherein the step of adjusting said at least one parameter setting includes the step of:

remotely adjusting said at least one parameter setting.

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18. (Previously Presented) The method of claim 11, wherein when said equipment is electroplating equipment generating a plating rate, the step of generating an operations analysis of said equipment includes:

generating said operations analysis of said plating rate; and

selecting said at least one parameter from the group of replenishment flow rate and agitation rate.